

## U. S. SPREADS DRAGNET TO TRAP BOMBERS

### Utah's Oil Shale in Limelight

#### HUGE SOURCE OF FUEL LIES IN MOUNTAINS

Utah Shale Holds Oil Like a Blotter, Writer Says

MATERIAL TO YIELD 22 GALLONS PER TON

Vast Reserve Will Flow Into Tanks When Wells Give Out

By HARRY B. HUNT, Staff Correspondent

WASHINGTON, Sept. 18.—Petroleum may be a wasting asset for the United States so far as free oil pumped or flowing from nature's underground reservoirs is concerned, but we have a right here in little old U. S. A. a source of petroleum greater than—perhaps double—the total crude oil remaining underground in the whole world.

The result of a decline in natural petroleum production in this country, then, does not mean necessarily that we will be at the mercy of such outside nations as may control the balance of the world's oil fields.

WHAT IT MEANS

Instead, it merely means the beginning in this country of a new industry that will give employment to thousands; the building of new towns in regions now sparsely settled; the erection of great plants and the development of industrial activities in areas far removed from present centers of industry.

The answer to decreasing production of natural oil is the increased production of shale oil. In northwestern Colorado, northeastern Utah, southwestern Wyoming and in northern Nevada, lie enormous quantities of shale holding, as a blotter holds ink, more petroleum than nature stored away in oil pools in the whole world.

To a lesser extent, Pennsylvania, Indiana, Kentucky, Texas, Wisconsin, Michigan and West Virginia hold deposits of oil shales.

Oil shales consist largely of fossil organic debris and the decomposition of plants and animals, largely aquatic. These fossil organic deposits are rich in hydrogen contents and, when subjected to heat, yield large proportions of volatile matter which may be condensed as oil.

PROVEN PRACTICABLE

That the production of oil from shale is practicable, has been proven in Scotland, where the annual production from Scotch shales has for several years, been around 2,000,000 barrels annually.

The average yield of Scotch shale is 22 gallons of petroleum per ton of shale treated.

D. E. Winchester, who has mapped most of Uncle Sam's deposits for the government, reports that in Colorado and Utah alone there is enough shale capable of yielding 22 gallons of better than to provide minimum petroleum containing 5 billion barrels of gasoline. Other regions, he estimates, would make the total petroleum available from American shales between 80 and 100 billion barrels.

Just what this means may be understood by recalling that to date all petroleum produced in the United States is less than 6 billion barrels, and that the total estimated free petroleum in the world is between 40 and 53 billion barrels.

As soon as the price of natural crude crosses the line where petroleum from shale can be produced at a profit these vast new reserves will begin to flow into the market as a stabilizing factor.

Just what that price line would be, officials now are unable to state. Scotland, at before the war, was unable to compete with importations of American petroleum with her shale oil.

A test plant, for experimentation in shale oil distillation, is now being built in Colorado by the Department of Interior. A number of private companies have been formed in Colorado and Utah. The likelihood is that within five years a mammoth industry for converting our mountains into oil may be well under way.

WE HAVE, THEN, IN OUR MOUNTAINS, literary a "mountain of strength" with which to combat any attempted throttling of American development through outside control of the world's free petroleum reserves.

They form, says David White, chief geologist, "an endless source of fuel to sustain an enormous ultimate load for an indefinite period."

#### WHOLESALE PRICES DROP, UNCLE SAM TELLS US

WASHINGTON, Sept. 18.—A pronounced drop in the general level of wholesale prices during August was reported today by the department of labor. Measured by changes in the index numbers of the bureau of labor statistics, the decrease was 4 1/2 per cent.

Foodstuffs showed the greatest price decreases, the decrease averaging more than 12 per cent. Farm products declined nearly 6 per cent and clothing and clothing 5 1/2 per cent. Fuel and lighting materials continued their upward trend with an increase of more than 6 1/2 per cent while metals and house furnishing goods also showed an increase over July.

#### WOMAN GIVEN MILITARY BURIAL AT ARLINGTON

WASHINGTON, Sept. 18.—A military funeral, prior to burial in Arlington national cemetery, was held today for Miss Jane A. Delano, former director general of the department of nursing, American Red Cross, who died last April in France. Red Cross and medical corps officers and a delegation of uniformed nurses attended. A detachment of troops and a military band acted as an escort.

#### HARDING CALLS HYPHEN MENACE TO CITIZENSHIP

Must Put an End to Groups, Republican Nominee Tells Foreign Born

MARTIN, O., Sept. 18.—Warning against the dangers of a hyphenated citizenship, Senator Harding told a gathering of foreign born Americans here today that he believed the United States must avoid "meddling in the affairs of other nations if all classes of American citizens are to be united in loyalty to the government."

The foreign born are not to blame for conflicting sympathies during the war, he said, asserting that the fault was with the nation itself for failure in the task of thoroughly Americanizing those of foreign extraction. "This work must now be taken up with new determination."

"Let us pray that America shall never become divided into classes and shall never feel the menace of hyphenated citizenship," said Senator Harding.

END SPECIAL APPEAL

"The way to unite and blend foreign blood in the life stream of America is to put an end to groups, an end to classes and to special appeal to any of them; an end to particular favor for any of them."

"I do not know whether or not Washington, Germany, this morning when he warned us against entangling alliances and meddling abroad, but I see it and I say to you that all Americans must stand firm against this dangerous and destructive and un-American policy. Meddling is not only dangerous to us because it leads us into the entanglements against which Washington warned us, but it also threatens an America divided in her own household."

SOUNDS A WARNING

"For Americans who love America, I sound a warning. It is not possible that the day might come—and may God forbid it!—when an organized hyphenated vote in American politics might have a voice in the transfer of power to elect our government. If this were true, America would be delivered out of the hands of her citizenship and just might be transferred to a foreign capital abroad."

"Let us all remember, however, that 'America first' does not mean that the America which we all love and under whose flag we must always remain a people united is to be an America blind to the welfare of humanity throughout the world, or deaf to the call of world civilization."

SOCIAL JUSTICE

"With an interest in a common good, I urge now and shall, with increasing conviction, always urge, that America shall give to her citizens the benefits of social democracy over to citizenship. I insist that American conscience recognizes the duty of protecting our national health. I insist that it will protect American motherhood and American childhood and the American home. There can be no defense for working conditions which rob the American child of its rights."

#### LORD MAYOR MACSWINEY COMPLETELY EXHAUSTED

LONDON, Sept. 18.—Terence MacSwiney, lord mayor of Cork, passed a very bad night without any sleep and this morning was in a state of complete exhaustion, said a bulletin issued this forenoon by the Irish Self-Determination league. Mary MacSwiney, sister of the lord mayor, who visited him in his room at the Bristol hotel this morning, said he was looking worse than she had ever seen him, but was still conscious.

This is the 37th day of his hunger strike in protest against his arrest by British authorities.

#### INDIANAPOLIS IS READY FOR 35,000 G. A. R. MEN

INDIANAPOLIS, Sept. 18.—Preparations for the annual G. A. R. encampment here next week were completed today.

Arrangements have been made to care for nearly 35,000 veterans.

#### POLES CAPTURE FORMER CZAR'S HUNT GROUNDS

Bolsheviki Admit Defeat at the Hands of Polish Forces At Lemberg

MOSCOW REPORTS NEW VICTORY OVER WRANGEL

Red Force Successful in Naval Battle, But Retires On Land

WARSAW, Sept. 17.—(By the Associated Press.)—Lutsk, an important fortified city forty miles east of Vladimir-Volynsk, has been captured by the Poles, who have won successes along a front of approximately 240 miles, according to an official statement issued here today.

Polish forces continued to advance east of Vladimir-Volynsk, southeast of Brest-Litovsk, and have occupied the towns of Porechov and Chorostov. The towns of Kamien and Kaspizki, north of Kovell, have been taken, the Russian soviet armies losing 1,000 prisoners.

The Poles, in their strides from the Pripiet region south to the Dniester, are reaching a new goal. They have pushed the soviet forces back at various points and gathered in great quantities of war materials and hundreds of prisoners.

Northeast of Brest-Litovsk the Poles have brought within their lines a part of Europe's greatest forest, which for years was the former Russian emperor's hunting grounds, and to the east of Kobryn have gained control of the Godelsk canal, which connects the Bug and the Pripiet and the Dniester.

Near Pinsk the Poles have encountered bands of "insurgents" who are operating in the rear of the soviet troops.

SEATTLE, Sept. 18.—Captain Ronald Amundsen, whose Polar expedition ship, the Maud, is wedged in the ice twenty miles off Cape Serge on the Siberian coast, is in danger of losing his vessel and may be forced to abandon his Polar expedition, according to Dr. James H. Condit, superintendent of Presbyterian missions in Alaska, who arrived here yesterday on the steamship Victoria from Nome.

#### POLAR SHIP, WEDGED IN ICE, IN GREAT DANGER

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#### FREQUENT CHANGES IN TEMPERATURE PREDICTED

WASHINGTON, Sept. 18.—Weather predictions for the week beginning Monday are:

Upper Mississippi and lower Missouri valleys, northern Rocky mountain and plateau regions: Generally fair with frequent fluctuations in temperature.

Southern Rocky mountains and plateau regions: Generally fair, normal temperature.

Pacific states: Generally fair in California and occasional rains in Washington and Oregon. Normal temperature.

#### BRITISH WILL NOT ARM VOLUNTEERS IN ULSTER

NEW YORK, Sept. 18.—New administrative measures for Ulster, proposed by the British government, do not contemplate the arming of the Ulster volunteers, as reported in some quarters, it is declared in an official communication received today from London by the British library of information here.

It was recently announced in London dispatches that the government intended to appoint an assistant under-secretary for the six counties of Ulster. This, says today's official communication, is "for bringing into operation provisions of the bill, and it is added such provisions are applicable to southern Ireland, if that section should accept them."

No explanation of these statements, which are somewhat obscure, taken by themselves, was obtainable locally.

#### WOMAN GIVEN 10 YEARS FOR SLAYING EX-MATE

FORT WORTH, Tex., Sept. 18.—Mrs. Myrtle Stiles, who has been on trial at Retan, Tex., was found guilty of manslaughter following the slaying of her divorced husband, Roy Winters, and given ten years in the penitentiary by a jury yesterday. Winters was killed at Jayton in September, 1918.

#### CENSUS FIGURES

WASHINGTON, Sept. 18.—State of California, 4,226,536, increase 1,045,987, or 44.1 per cent.

San Francisco (revised), 596,676, increase 89,764, or 21.5 per cent. Previously announced 508,410.

Sedalia, Mo., 21,444, increase 3323, or 15.6 per cent.

Roswell, N. M., 7062, increase 890, or 14.4 per cent.

Denton, Tex., 7626, increase 2894, or 41.2 per cent.

Chico, Cal., (revised) 9339. Previously announced 8872.

#### JACK JOHNSON GOES TO PRISON FOR ONE YEAR

CHICAGO, Sept. 18.—John Arthur (Jack) Johnson, former world's champion heavyweight pugilist, failed today to appeal from his sentence of one year and a day in Leavenworth and a fine of \$1000 for violation of the Mann act.

Johnson, in custody of a deputy marshal, will leave Chicago at 6 o'clock tonight on the Atchison, Topeka and Santa Fe railroad for the Kansas penitentiary to begin serving his term.

#### MERE MAN IS BARRED FROM COX MEETING

Democratic Candidate Speaker At Women Only Gathering In Bay City

SAN FRANCISCO, Sept. 18.—Mere man, unless accompanied by a woman, was refused admission today to hear the address of Governor James M. Cox, Democratic presidential nominee, before the San Francisco center of the California Civic League, a woman's organization.

The speech at a luncheon, was the principal feature of Governor Cox's last active campaign day in the San Francisco bay region. Tickets were restricted to women voters, unless a member of the organization requested the privilege of bringing a "man guest."

Following this talk, Governor Cox's itinerary called for an address to the commercial club, a public reception at the Palace hotel, and a speech at the Oakland auditorium across the bay, under the auspices of the state Democratic committee. The nominee will leave tomorrow for Los Angeles traveling south by daylight.

Governor Cox was expected to devote further attention in today's address to the Japanese immigration question, a burning issue in California. His audience also anticipated an elaboration of his statement that "racial feeling was being inspired by opponents of the league of nations and that it looks to me like a German-American alliance with the reactionary candidates."

#### FIVE THOUSAND SPEAKERS LAUNCH G. O. P. CAMPAIGN

CHICAGO, Sept. 18.—The Republican party officially opened its speaking campaign yesterday with approximately 5,000 speakers spreading over the country to deliver addresses from now until election day.

Addresses made yesterday dealt mainly with the league of nations, women's position in politics, the meaning of constitution day and the necessity "for every one to vote," according to announcements at Republican headquarters.

#### AMERICAN WOMEN COMBAT EXAGGERATED FASHIONS

CHRISTIANIA, Norway, Sept. 7.—American delegates to the international council of women here have stated a movement against exaggerated styles in dress and immodest dancing.

A resolution urging that liquor prohibition be decided by referendum was adopted today.

#### YANKEE GERMAN WIDOW WILL MARRY ONCE MORE

NEW YORK, Sept. 18.—The engagement of Baroness Speck von Sternberg, widow of the former German ambassador to the United States, and before her marriage, Miss Lillian May Langham of Kentucky, to Adolph Pavestadt, who was interned on Ellis Island during the war as an enemy alien, was announced today.

#### RED SOX SHORTSTOP IN 667 CONSECUTIVE GAMES

DETROIT, Sept. 18.—Everett Scott, Boston American shortstop, added the 667th to his string of consecutive games played, when he appeared in the Boston lineup for three and one-third innings in yesterday's game with Detroit before being banished from the field by Empire Owen for protesting a decision.

#### ITALY ALSO IS EXCITED OVER BOMBER PLOT

Several Suspects Are Arrested After Explosion Damages Stock Exchange

RAILROAD SEIZED BY WORKERS IS RETURNED

Premier Giolitti Says He Will Make Important Statement On Conditions

GENOVA, Sept. 18.—The police and carabinieri were engaged all last night in a searching investigation to discover the persons responsible for yesterday's bomb explosion at the stock exchange here. A number of suspects, including six Hungarian communists, were arrested, but so far no definite clue to the criminals who committed the act has as yet been found.

The explosion did some damage to the exchange, but caused no casualties.

#### RAILROAD RETURNED

ROME, Sept. 18.—The twenty-mile light railroad from Rome to Tivoli, belonging to a Belgian company, which yesterday was seized by the employees of the line, who were credited with declaring they intended to operate it in future for the benefit of the men, was returned to its owners today.

The return was effected after the personnel of the line had reached an agreement with representatives of the Belgian company for an increase of wages.

MASTERS ACCEPT PROPOSAL

MILAN, Sept. 18.—The masters in the metal trades today passed a resolution accepting the proposal that the workers "participate" in the management of their concerns. The condition is imposed that there shall be no preponderance by the workmen's organization, but collaboration and reciprocal responsibility and no interference with the freedom necessary to develop the industry.

RED FLAG LOWERED

NAPLES, Sept. 17.—Workers in the great Cirio factory where fruits are preserved today reached an agreement with their employers and lowered the red flag and returned the buildings to their owners.

#### FINLAND AND SWEDEN BOOM POWER OF LEAGUE

PARIS, Sept. 18.—(By the Associated Press.)—Finland and Sweden have agreed to accept the intervention of the league of nations for the settlement of the dispute between them as to the possession of the Aland islands, lying at the mouth of the Gulf of Bothnia between the two countries. A commission will be appointed by the executive council of the league to investigate the question and reach an early decision.

The acceptance of the council as arbiters is regarded by the members of the council as a long step toward the recognition of the league by the nations of the world as a medium for the prevention of future wars.

#### TRINIDAD MEETS PRINCE WITH GREAT OVATION

PORT OF SPAIN, Trinidad, Sept. 17.—The battleship Renown, with the Prince of Wales on board, arrived here this morning.

A tremendous ovation was given the prince and his suite upon their landing.

On Monday the prince will leave for Demerara, British Guiana, on the cruiser Calcutta, the Renown being unable to cross the bar there. He will return to Trinidad on the evening of the twenty-third and start immediately for Grenada, West Indies.

#### IRISH DOCK TROUBLES SEEN ON WEST COAST

SAN FRANCISCO, Sept. 18.—An assertion that they had succeeded in inducing between 100 and 200 longshoremen to stop loading the steamer Star of Galicia, under British charter, as a protest against the imprisonment of Terence MacSwiney, was made today by representatives of the Women's League for Irish Independence here. Representatives of the ship's owners said no longshoremen had "quit work."

#### VETERANS REFUSE TO ATTACK PROHIBITION

WASHINGTON, Sept. 18.—Veterans of Foreign Wars, at the closing session of their annual encampment here today voted down a resolution disapproving the adoption of the prohibition amendment to the Constitution.

#### HELD 2 YEARS IN ICE, ARCTIC TRADERS RETURN

NOME, Alaska, Sept. 17.—Captain Joe Bernard and A. Anderson arrived here today with their vessel, the Teddy Bear, after four years spent in the Arctic during 25 months of which time they were ice-bound near King Island in Victoria strait, near King William land.

#### Plenty of Clues Found To Work On Chief Flynn Says; Hopeful of Arrests

Many of Men and Women Injured in Bomb Explosion to Be Maimed for Life; Reward of More Than \$25,000 Offered for Arrest of Guilty; Radical Literature in Mail Boxes.

NEW YORK, Sept. 18.—Confidence that the "American anarchist fighters," who are believed now to have caused the disastrous bomb explosion in Wall street last Thursday, would be brought to justice, was expressed today by William J. Flynn, chief of the bureau of investigation of the department of justice.

Chief Flynn, who has charge of the federal investigation under the personal supervision of Attorney General Palmer, said he was certain from the similarity of circulars found in a mail box near Wall street at the time of the explosion to those found at the scene of various bomb explosions in June, 1919, that the same crowd of terrorists was responsible for both outbreaks.

SUICIDE TIPS HAND

"We had solved the mysteries of last year's bombs, but were frustrated in bringing the criminals to justice when Alfredo Salsedo, whom we were detaining in the New York office of the bureau, jumped from a fourteenth story window during the night and committed suicide," said Flynn. "That tipped our hand and the crowd got safely out of the country before we could nab them."

"Now in this case, we have much more to work on at the start. The similarity of the circulars makes available all our knowledge of the gang who committed the outrages last year. We even established the identity of one anarchist who was killed by his own bomb in last year's explosion with much less evidence than we have in the present case."

MANY CLUES FOUND

"Torn bits of pink paper were the only evidence we had last year. Now we have whole circulars dropped into a mail box, presumably by the man who set off the bomb, half an hour after a letter carrier had emptied the box. In addition there are the horse and the broken bits of the wagon on which the bomb was placed."

NEW YORK, Sept. 18.—Convinced that the explosion which snuffed out the lives of 35 persons and injured nearly 200 others in Wall street Thursday noon was deliberately planned by radicals, officials of the department of justice, headed by Attorney General Palmer himself, today spread a dragnet over the entire country in efforts to trap its originators.

Spurred on by rewards aggregating \$25,000 offered by the city administration and an accident insurance company, police, ex-service men and civilians lent their efforts to the federal agents.

DISASTER FRIENDLY PLOT

Department of justice officials were certain that the disaster was the premeditated and friendly plot of radical government. William J. Flynn, head of the bureau of investigations of the department of justice, was chief spokesman for this general opinion.

Attorney General Palmer corroborated the statement.

Chief Flynn based his opinion on the finding of radical literature in post office boxes near the scene of the tragedy soon after it occurred. He pointed out a peculiar similarity between the nature of the literature and that found in connection with the terrorists plots in June 1919. Similar expressions and similar misspelled words characterized the literature found yesterday and in 1919, he said.

One difference between the two, however, was that the literature found last year was signed "The anarchist white" while the literature found yesterday was signed "American anarchist fighters."

"You can see," Chief Flynn remarked, "they have simply added 'American' to their title now."

LOOKING FOR DRIVER

Primary importance in today's search was attached to finding the driver of the dilapidated, rusty, red touring car in which the bomb was found nearest the bomb crater.

Colonel William M. Mead, chief clerk for J. P. Morgan and company, declared the factor who shot the horse that drew the death wagon had been found and that he was reasonably sure of the owner's identity. Peculiar markings on the dead horse's shoes, it was said, aided in tracing the blacksmith.

Department of justice officials early today had neither confirmed nor denied this report, but Attorney General Palmer said finding the animal's owner was of paramount importance.

MANY IN HOSPITALS

There was still about 150 injured being cared for in hospitals today, many of whom were said to be in a serious condition. Scores of those who will recover will be maimed for life, it was said.

Department of justice officials, it was said, attached relatively little importance to the detention of Edward Fischer, at Hamilton, Ont., who yesterday admitted to Canadian authorities having sent warnings of the disaster to several friends here. However, the general public was said to be more direct that Fischer be thoroughly examined.

It was also expected that those who received the report, but Attorney General Palmer said finding the animal's owner was of paramount importance.

Special guards were still kept today around all government buildings here, the Morgan bank and the homes of numerous prominent financiers. Attorney General Palmer said this same precaution was in vogue throughout the country.

#### WHITE RUSSIA CHANGED INTO SOVIET REPUBLIC

COPENHAGEN, Sept. 17.—(Jewish Telegraphic Agency.)—White Russia has been proclaimed a soviet republic according to delayed advices received here today from Riga, Lithuania. The proclamation, which was signed by White Russian and Lithuanian communists and representatives of the "band," or workmen's organization, was issued in Minsk September 7.

The soviet revolutionaries refused to participate in the formation of the new republic, the advices say, declaring it would afford no real independence.

#### JAPS UNITE TO BRING HARMONY WITH AMERICA

TOKIO, Sept. 18.—The Pan-Pacific Association of Japan has been formed to work in harmony with the Pan-Pacific union. The aim as given at a recent luncheon here attended by visiting American congressmen is to bring into closer relationship the nations of the Pacific in order that they might work together for the advancement of all.

Prince Iwano Tokugawa, president of the house of peers, is president of the newly organized association.